

Methods for Creating Ground Paths for ILS

Abstract

In an Integrated Lead Suspension system, it is desired that the stainless steel suspension is grounded to a controlled ground potential. This requires creating a grounding path between the stainless steel suspension and a copper trace layer through a layer of dielectric material that separates the stainless steel suspension and the copper layer. The copper trace layer and subsequently the stainless steel suspension can then be grounded to a controlled ground potential.

This invention proposes several methods of creating a ground path between the stainless steel suspension and the copper trace layer.